	State	OHIO	MLRA / CRA: Statewide
			Location Area: Statewide
and			Benchmark System Description
6-15%, Ani anure Applica			Cropland is used for grain and forage production. Some crops are no tilled and some crops are mulch tilled. Sheet and rill erosion is a
			concern as well as concentrated flow (ephemeral) erosion. Soil tests are not taken on a regular basis, generally nutrients are over
Practices:			applied. Manure is applied at unknown rates and nutrient credit are
0			not given for manure. Sediment, nutrients, and pesticides are water quality concerns in the area.
0			
0			
	Benchma	ark Effects	
0			
0			
0			
0			
0			
0			
0			
	Erosion eritimes. Se Annual en of 6-8" by Erosion cand sedim Erosion is capacity. 0 0 0 0	Benchma Erosion exceeds toler times. Sediment, nutron of 6-8" by 18" wide (3) Erosion carries manurand sediment to surfa Erosion is reducing the capacity. Lower O.M. O O O O	Benchmark Effects Erosion exceeds tolerable levels by 2 and 3 times. Sediment, nutrient, pesticide runoff. Annual emphemeral gullies erode to a depth of 6-8" by 18" wide (35-40 tons/1000 ft.) Erosion carries manure, nutrients, pesticides and sediment to surface water. Erosion is reducing the soil's productive capacity. Lower O.M. and Avail Water Cap.

Candidate Practices - Phy	sic	cal Effects	State: OHIO			LRA / CRA: Statewide		Page	1 of 2	
_					Loc	ation Area: Statewide				
Land Us	e:	Cropland			Benchmark System Description					
Template Lab	el:	Crop, 6-15%, Anii	nal Prod		Cropland is used for grain and forage production. Some crops are no tilled and some crops are mulch tilled. Sheet and rill erosion is a concern as well as concentrated flow (ephemeral) erosion. Soil tests					
		Crop Manure Applicat	- ul			et and fill erosion is a ci en on a regular basis, g				
System Name/Phras	e:	- - - - - - - - - -				rates and nutrient credit are not given for manure. Sediment, nutrients, and pesticides are water quality concerns in the area.				
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated			Plants, Cropland	0	0	0	
Candidate Practices			Flow	Water; Pestic		Productivity				
ST=Short Term LT=Long Terr	n			Nutrients, Org Sediment	ganics,					
		SI to Sig Decrease	Situational		Decrease	SI to Mod Decrease				
II	T	SI to Sig Decrease	Situational		Decrease					
		SI to Mod Decrease	SI Decrease		Decrease	SI Decrease				
	T	SI to Mod Decrease	SI Decrease		Decrease	SI Decrease				
	ST.	SI to Sig Decrease	SI Decrease		Decrease	SI Decrease				
II	T	SI to Sig Decrease	SI to Sig Decrease		g Decrease	SI Decrease				
Contour Farming - 330	ST	SI to Mod Decrease	SI Decrease		Decrease	SI Decrease				
	Т.	SI to Mod Decrease	SI to Sig Decrease		Decrease	SI Decrease				
Filter Strip - 393A	ST.	N/A	Insignificant		ecrease	N/A				
	.T	N/A	Insignificant		ecrease	N/A				
Nutrient Management - 590	ST.	Facilitating	N/A		ecrease	N/A				
	Τ.	Facilitating	N/A		ecrease	N/A				
Pest Management - 595	ST	N/A	N/A	Sig De	ecrease	SI to Sig Decrease				
	Τ.	N/A	N/A	Sig De	ecrease	SI to Sig Decrease				
Residue Management, Mulch	ST	SI to Sig Decrease	SI Decrease	Sig De	ecrease	SI to Sig Decrease				
till - 329B	Τ.	SI to Sig Decrease	SI Decrease	Sig De	ecrease	SI to Sig Decrease				
Residue Management, No-till & S	SΤ	SI to Sig Decrease	SI Decrease	Sig De	ecrease	SI to Sig Decrease				
<u> </u>	.T	SI to Sig Decrease	SI Decrease		ecrease	SI to Sig Decrease				
Grassed Waterway - 412	ST.	N/A	Sig Decrease		ecrease	N/A				
Ĺ	Τ.	N/A	Sig Decrease		ecrease	N/A				
Waste Utilization - 633	ST.	N/A	N/A	Sig De	ecrease	N/A				
	Τ.	N/A	N/A	Sig De	ecrease	N/A				
0 5	ST.									
	Τ.									
0 5	ST.									
	Τ.									
0 5	ST.									
	Τ.							_		
0 5										
T.	.T									

Candidate Practices - Phy	/sica	al Effects	State	: OHIO		MLRA / CRA: Statewide			Page	e 2 of 2	
			Oluli	Location Area: Statewide							
Land Us	se: C	Cropland				Benchmark System Description					
Template Lab		Crop, 6-15%, Anii		ı		Cropland is used for grain and forage production. Some crops are no tilled and some crops are mulch tilled. Sheet and rill erosion is a concern as well as concentrated flow (ephemeral) erosion. Soil tests					
System Name/Phras		Crop Manure Applicati	Manure Application			are not taken on a regular basis, generally nutrients are over applied. Manure is applied at unknown rates and nutrient credit are not given for manure. Sediment, nutrients, and pesticides are water quality concerns in the area.					
Resource Concerns >		0		0		0	0	0		0 (
Candidate Practices	_										
ST=Short Term LT=Long Ter	m										
	ST										
l	_T										
	ST								#N/A		
· · · · · · · · · · · · · · · · · · ·	LT								#N/A		
	ST								πIV/A		
· · · · · · · · · · · · · · · · · · ·	LT										
	ST										
	LT										
	ST										
	LT										
	ST										
_	LT										
	ST										
_	LT										
	ST										
	_T										
Residue Management, No-till &											
<u> </u>	LT										
	ST										
	LT										
	ST										
	LT										
0	LT										
	ST										
	LT										
	ST										
	LT										
	ST										
	_T										

Dagauraa Managamant 6	٠	10m #1	State	tte: OHIO MLRA / CRA: Statewide Location Area: Statewide				Page 1 of 2			
Resource Management S	yst	tem #1	State:	UHIU		le					
					Alterna	tive Resource Managem	ent System #1 Narrative	Description			
Land U	se:	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the								
Template Lal	Crop 6-15% High Treatment	manure appli Nutrient and	concentrated flow erosion. A green manure crop or forage crop will be established after after wheat harvest to take up nitrogen applied via summer manure application. Manure will be analyzed for nutrient content and applied a times, rates, and methods to ultilize nutrients and minimze runoff. Nutrient and pest management along with fiter strips adjacent to the streams will be applied to better meet crop needs and minimize nutrient and pesticide runoff.								
System Name/Phrase		S #1 High Treatment									
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; C		Water Quality, Surfac	· · ·	0	()		
Candidate Practices		1	Flow		Water; Pesticides,	Productivity					
ST=Short Term LT=Long Te	rm				Nutrients, Organics, Sediment						
	ST	+1 to +3	+/		+1 to +2	+1 to +2	0	0	0		
328	LT		+/		+2 to +3	+1 to +2	0	0	0		
Cover & Green Manure Crop -	ST		+1	1	+2 to +3	+1	0	0	0		
•	LT	+1 to +2	+′		+2 to +3	+1	0	0	0		
	ST	N/A	0		+3	N/A	0	0	0		
·	LT	N/A	0		+3	N/A	0	0	0		
Nutrient Management - 590	ST	+	N/.	A	+3	N/A	0	0	0		
•	LT	+	N/.	A	+3	N/A	0	0	0		
Pest Management - 595	ST	N/A	N/.	A	+3	+1 to +3	0	0	0		
-	LT	N/A	N/.	A	+3	+1 to +3	0	0	0		
Residue Management, No-till &	ST	+3	+′	1	+3	+1 to +3	0	0	0		
Strip Till - 329A	LT	+3	+1	1	+3	+1 to +3	0	0	0		
Grassed Waterway - 412	ST	N/A	+3	3	+2	N/A	0	0	0		
	LT	N/A	+3	3	+2	N/A	0	0	0		
Waste Utilization - 633	ST	N/A	N/.	A	+3	N/A	0	0	0		
	LT	N/A	N/.	Α	+3	N/A	0	0	0		
0	ST	0	0		0	0	0	0	0		
	LT	0	0		0	0	0	0	0		
0	ST	0	0		0	0	0	0	0		
	LT	0	0		0	0	0	0	0		
0	ST	0	0		0	0	0	0	0		
	LT	0	0		0	0	0	0	0		
0	ST	0	0		0	0	0	0	0		
	LT	0	0		0	0	0	0	0		

Descurse Management 6	`	am 41	State: C	NUIO.	M	RA / CRA: Statewid	е	Page	2 of 2			
Resource Management S	yst	em #1	State: C	НО	Loc	ation Area: Statewid	е					
		į			Alternative	Resource Manageme	ent System #1 Narrative	Description				
Land U	lse:	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address									
		·					will be established after					
							or nutrient content and ap					
Tomplate Lal	hal.	Crop 6-15% High	nutrients and minimze runoff. Nutrient and pest management along with fiter strips adjacent to the streams will be applied to better meet									
Template Lai	Template Label: Treatment			and minimiz	ze nutrient and pesticion	de runoff.						
	RM	S #1 High Treatment										
System Name/Phrase												
		()	٥	0			N .				
Resource Concerns >		·	΄	U	U			,				
Candidate Practices												
ST=Short Term LT=Long Te						•						
	ST		0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT		0		ŭ	0	0					
ŭ	ST	0	0		0	0	0					
	LT ST	0 0	0		0	0 0	0					
Pest Management - 595	LT	0	0		0	0	0					
Residue Management, No-till &		0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
-	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
	LT	0	0		0	0	0					
	ST	0	0		0	0	0					
Ĭ	LT	0	0		0	0	0					

Resource Management	Sve	tom #2	State: OHIO		MLRA / CRA: Statewide		Page 1 of 2					
Resource Management	Sysi	leili #Z	State. Onto	Location Area: Statewide								
			Alternative Resource Management System #2 Narrative Description									
Land	Use:	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address									
			the concentrated flow erosion. A green manure crop or forage crop will be established after after wheat harvest to take up nitrogen									
		Crop 6-15%.	applied via summer manure application. Manure will be analyzed for nutrient content and applied a times, rates, and methods to ultilize									
Template Label: Crop 6-15%, Mod.Treatment		nutrients and minimze runoff. Nutrient and pest management will be applied to better meet crop needs and minimize nutrient and										
i			pesticide runoff.									
Occasions Name (Disease)		S #2 Moderate										
System Name/Phrase	e i re	atment										
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated	Water Quality Surface	Plants, Cropland	0	0					
		Con Erodion, Ondot a rain	Flow	Water; Pesticides,	Productivity	J	Ů					
Candidate Practices	•			Nutrients, Organics,	· ·							
ST=Short Term LT=Long T		.4.62	. /	Sediment +1 to +2	+1 to +2	0	0	0				
Conservation Crop Rotation - 328	ST LT		+/- +/-			0	0	0				
Szo Cover & Green Manure Crop -				+2 to +3	+1 to +2	0	0	0				
340			+1	+2 to +3	+1	-	-					
	LT		+1	+2 to +3	+1	0	0	0				
ŭ	ST		N/A	+3	+1 to +3	0	0	0				
Deat Management 505	LT	N/A	N/A	+3	+1 to +3	0	0	0				
Pest Management - 595	ST		+1	+3	+1 to +3	0	0	0				
D it M it it	LT	+1 to +3	+1	+3	+1 to +3	0	0	0				
Residue Management, No-till &			+3	+2	N/A	0	0	0				
Strip Till - 329A	LT		+3	+2	N/A	0	0	0				
Grassed Waterway - 412	ST		N/A	+3	N/A	0	0	0				
	LT	N/A	N/A	+3	N/A	0	0	0				
Waste Utilization - 633	ST	0	N/A	+2	+	0	0	0				
	LT	0	N/A	+2	+	0	0	0				
	0 ST		0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
	0 ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
	0 ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
	0 ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
	0 ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				

Descures Management	21.04	.am #2	State: OHIO	MI	_RA / CRA: Statewide		Page 2 of 2				
Resource Management S	Syst	em #2	Location Area: Statewide								
				Alternative I	Resource Managemer	nt System #2 Narrative	Description				
Land (Jse:	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the concentrated flow erosion. A green manure crop or forage crop will be established after after wheat harvest to take up nitrogen applied via summer manure application. Manure will be analyzed for nutrient content and applied a times, rates, and methods to ultilize								
Template La	bel:	Crop 6-15%, Mod.Treatment	nutrients and minimze pesticide runoff.	runoff. Nutrient and pe	est management will be	applied to better meet	crop needs and minimize nutrient and				
System Name/Phrase		S #2 Moderate atment									
Resource Concerns >		(0	0	0	0					
Candidate Practices											
ST=Short Term LT=Long Te	rm										
Conservation Crop Rotation -	ST	0	0	0	0	0					
328	LT	0	0	0	0	0					
Cover & Green Manure Crop -	ST	0	0	0	0	0					
340	LT	0	0	0	0	0					
Nutrient Management - 590	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
Pest Management - 595	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
Residue Management, No-till &	ST	0	0	0	0	0					
Strip Till - 329A	LT	0	0	0	0	0					
Grassed Waterway - 412	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
Waste Utilization - 633	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					

Pasauras Managament	21/0	tom #2	State: OHIO		ILRA / CRA: Statewide		Page 1 of 2					
Resource Management	Sys	tem #3	State: Unio	Lo	cation Area: Statewide							
			Alternative Resource Management System #3 Narrative Description									
Land l	Jse	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the concentrated flow erosion. Manure will be analyzed for nutrient content and applied a times, rates, and methods to ultilize nutrients and minimze runoff.									
			Nutrient and pest manag		better meet crop needs an							
Template La		Low Treatment										
System Name/Phrase	RMS #3 Low Treatment System Name/Phrase											
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated		Plants, Cropland	0	0	C				
Candidate Practices		1	Flow	Water; Pesticides,	Productivity							
ST=Short Term LT=Long Te	erm			Nutrients, Organics, Sediment								
Conservation Crop Rotation -	ST	+1 to +3	+/-	+1 to +2	+1 to +2	0	0	0				
328	LT		+/-	+2 to +3	+1 to +2	0	0	0				
Nutrient Management - 590	ST	+1 to +3	+1	+3	+1 to +3	0	0	0				
-	LT	+1 to +3	+1	+3	+1 to +3	0	0	0				
Pest Management - 595	ST	N/A	+3	+2	N/A	0	0	0				
	LT	N/A	+3	+2	N/A	0	0	0				
Residue Management, No-till &			N/A	+3	N/A	0	0	0				
Strip Till - 329A	LT		N/A	+3	N/A	0	0	0				
Grassed Waterway - 412	ST		+3	+1	+	0	0	0				
	LT	N/A	+3	+1	+	0	0	0				
Waste Utilization - 633	ST	0	N/A	+2	+1	0	0	0				
	LT	0	N/A	+2	+1	0	0	0				
	ST		0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
	ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
C	ST		0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
C	ST		0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
C	ST		0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				
C	ST	0	0	0	0	0	0	0				
	LT	0	0	0	0	0	0	0				

Resource Management	Svet	om #3	State: OHIO		LRA / CRA: Statewide		Page 2 of 2				
Nesource Management	Oysi	CIII #J	Location Area: Statewide								
			Alternative Resource Management System #3 Narrative Description								
Land	اوم.	Cropland	The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address								
Land Osc. Oropiand			the concentrated flow e								
			and minimze runoff. Nutrient and pest management will be applied to better meet crop needs and minimize nutrient and pesticide runoff.								
		Crop, 6-15%, SL,									
Template La	ibel:	Low Treatment									
	IDM										
Custom Name/Dhuses		S #3 Low Treatment									
System Name/Phrase	2										
Resource Concerns >		(0	(0					
Candidate Practices											
ST=Short Term LT=Long Te	rm										
Conservation Crop Rotation -	ST	0	0	0	0	0					
328	LT	0	0	0	0	0					
Nutrient Management - 590	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
Pest Management - 595	ST	0	0	0	0	0					
r est Management - 595	LT	0	0	0	0	0					
Residue Management, No-till &		0	0	0	0	0					
Strip Till - 329A	LT	0	0	0	0	0					
Grassed Waterway - 412	ST	0	0	0	0	0					
Grassed Waterway 412	LT	0	0	0	0	0					
Waste Utilization - 633	ST	0	0	0	0	0					
Waste Still Zation 666	LT	0	0	0	0	0					
(ST	0	0	0	0	0					
Š	LT	0	0	0	0	0					
(ST	0	0	0	0	0					
Š	LT	0	0	0	0	0					
(ST	0	0	0	0	0					
	LT	0	0	0	0	0					
(ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					
C	ST	0	0	0	0	0					
	LT	0	0	0	0	0					